

Claims

That which is claimed is:

1. An isolated nucleic acid molecule comprising a nucleotide sequence selected from the group consisting of:
 - (a) a nucleotide sequence that encodes a protein comprising the amino acid sequence of SEQ ID NO:2;
 - (b) a nucleic acid molecule consisting of the nucleic acid sequence of SEQ ID No: 1;
 - (c) a nucleic acid molecule consisting of the nucleic acid sequence of SEQ ID No: 3; and
 - (d) a nucleotide sequence that is completely complementary to a nucleotide sequence of (a)-(c).
2. A nucleic acid vector comprising a nucleic acid molecule of claim 1.
3. A host cell containing the vector of claim 2.
4. A process for producing a polypeptide comprising culturing the host cell of claim 3 under conditions sufficient for the production of said polypeptide, and recovering the peptide from the host cell culture.
5. An isolated polynucleotide comprising a nucleotide sequence set forth in SEQ ID NO:1.
6. An isolated polynucleotide comprising a nucleotide sequence set forth in SEQ ID NO:3.
7. A vector according to claim 2, wherein said vector is selected from the group consisting of a plasmid, virus, and bacteriophage.
8. A vector according to claim 2, wherein said isolated nucleic acid molecule is inserted into said vector in proper orientation and correct reading frame such that the protein of SEQ ID NO: 2 may be expressed by a cell transformed with said vector.
9. A vector according to claim 8, wherein said isolated nucleic acid molecule is operatively linked to a promoter sequence.

10. An isolated nucleic acid molecule encoding a human drug-metabolizing enzyme peptide, said nucleic acid molecule sharing at least 95 percent homology with a nucleic acid molecule shown in SEQ ID NOS:1 or 3.
11. A nucleic acid vector comprising a nucleic acid molecule of claim 10.
12. A host cell containing the vector of claim 11.
13. A process for producing a polypeptide comprising culturing the host cell of claim 12 under conditions sufficient for the production of said polypeptide, and recovering the peptide from the host cell culture.
14. A vector according to claim 11, wherein said vector is selected from the group consisting of a plasmid, virus, and bacteriophage.
15. A vector according to claim 11, wherein said isolated nucleic acid molecule is inserted into said vector in proper orientation and correct reading frame such that the protein of SEQ ID NO: 2 may be expressed by a cell transformed with said vector.
16. A vector according to claim 15, wherein said isolated nucleic acid molecule is operatively linked to a promoter sequence.